

CHASE

COMMERCIAL

LIGHTING FIXTURES



CHASE COMMERCIAL LIGHTING FIXTURES

EDITION C-1

January 1936

Chase Brass & Copper Co.

—INCORPORATED—

Subsidiary of Kennecott Copper Corporation

LIGHTING FIXTURE DIVISION

Waterbury

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Connecticut

Chase Commercial Lighting Fixtures

Over a year ago the Chase Brass & Copper Co. introduced the first complete line of authentically designed lighting fixtures for residential use. This beautiful line of fixtures was widely accepted by Electrical Dealers, Architects and Decorators.

Now the Chase Brass & Copper Co. introduces in this catalog its new line of Commercial Lighting Fixtures. These fixtures are carefully designed to provide scientific illumination — simple mechanical operation — and safety and security in the methods of holding the glass units.

CHROMIUM



Most Chase Commercial Fixtures are carried in stock for immediate shipment in chromium finishes. However, other finishes can also be supplied. We recommend the chromium finish because of its many advantages. Whether the finish is polished or satin chromium, it does not require any protective covering such as lacquer. Chromium never needs polishing. It won't tarnish and it gives permanent beauty.

DISTRIBUTION



Chase Commercial Lighting Fixtures are not sold direct to the consumer. They are distributed through the electrical trade and may be purchased from the better electrical distributors. If you have any difficulty purchasing Chase Commercial Fixtures from your local dealer or jobber, please write directly to us and we will see that you are supplied.

Chase Commercial Fixtures have many features covered by mechanical or design patents.

They are made of Chase Brass except for some of the chains when specifically mentioned in this catalog. The sockets and wiring materials are all passed and approved by the National Board of Fire Underwriters.

Any special data or specifications regarding Chase Commercial Lighting Fixtures in this catalog can be obtained by writing directly to Chase Brass & Copper Co., Lighting Fixture Division, Waterbury, Conn.

GLASSWARE



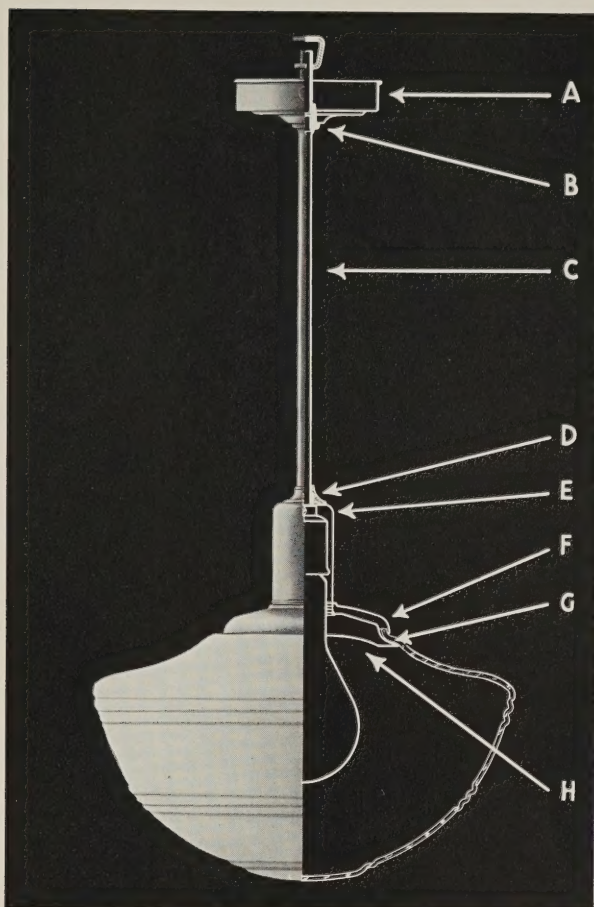
Lighting Glassware is a very important contribution to the appearance and illumination of any lighting fixture. We believe that the best results can be obtained only when glassware is secured direct from responsible glass manufacturers. Glassware is a highly specialized business. We do not attempt to sell it because our efforts are confined to the improvement, development and the manufacture of lighting fixtures. However, whenever necessary, we will furnish the proper glassware with each fixture.

TERMS



Our terms of sale, when credit has been established, are 2% — 10 days E. O. M. All shipments are F.O.B. Factory, Waterbury, Connecticut. If a sales tax is enacted, it will be added to the invoice covering shipment of any fixtures in this catalog.

Chase "Locktite" Safety Type Fixtures



Distinctive Features

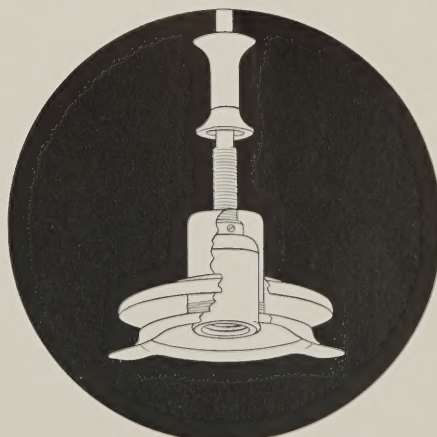
- (A) Canopy has knockout for switch.
- (B) A patented concealed swivel joint permits perfect alignment of the fixture.
- (C) Stem made of $\frac{1}{2}$ " No. 17 Gage Tubing.
- (D) Simple construction. By unscrewing cap, the holder can be raised for easy access to socket.
- (E) Socket can be lowered to any position by use of a nipple.
- (F) A covering Ring threads on to the holder, locking the globe so that it cannot become accidentally loosened.
- (G) Globe held inside by two wide ledges.
- (H) Inside of holder does not absorb any light but instead acts as a reflector.
- (I) These fixtures are dust and insect proof.

Simple Safety Operation No Movable Parts!



The globe is tipped and slid over the wide ledges until it rests into place. Then the covering ring is allowed to drop over it. By giving the covering ring one and one-half turns it threads on to the holder and locks the globe securely. The globe cannot be removed until the ring has been raised.

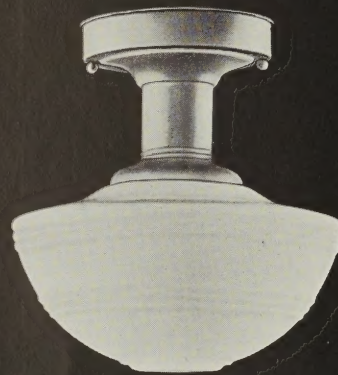
The "Surface" Adjuster—for positioning the lamp filament on the job



The Surface Adjuster permits the lamp filament to be easily adjusted for maximum light efficiency without removing the fixture or glassware. It is adjusted with the fingers and requires no tools. This feature can be supplied for all fixtures having $\frac{1}{2}$ " stems at a slight additional cost.



Chase "Locktite"



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	LENGTH	
					Without Glass	With Glass
Stem Suspension	1510	6"	Medium	200 W	25"	33"
Stem Suspension	1511	6"	Mogul	300-500 W	25½"	34½"
Stem Suspension	1512	4"	Medium	100 W	24½"	30"
Chain Suspension	1516	6"	Medium	200 W	26"	34"
Chain Suspension	1517	6"	Mogul	300-500 W	26"	35½"
Chain Suspension	1518	4"	Medium	100 W	26"	31½"
Close Ceiling	1513	6"	Medium	100-200 W	5"	13"
Close Ceiling	1514	6"	Mogul	300-500 W	6½"	15½"
Close Ceiling	1515	4"	Medium	75-100 W	5"	10"

These Fixtures can be supplied with socket and switch for two filament lamps. Also supplied unwired.

Glass globes shown are designed and sold exclusively for these fixtures. They are manufactured and sold by Gleason-Tiebout Glass Co., 200 Fifth Avenue, New York, N. Y.

Chase Locktite Fixtures use a globe without a neck. The elimination of the neck improves the appearance of the fixture considerably and the safety feature is not impaired in any way. For details see Page 3.

Lighting Fixtures



Specifications

- LENGTHS:** Lengths given on Page 4 are standard. Special lengths supplied at slight additional cost. Any length stem fixture up to 60" can be shipped from stock in stock finishes.
- STEM:** $\frac{1}{2}$ " Dia. Tubing is 17 Gage. Has concealed swivel for self-aligning.
- FINISH:** Satin Chromium or English Bronze. All other finishes are special.
- WIRING:** Porcelain socket and approved wire.
- CANOPY:** Size 5" x $1\frac{1}{2}$ ". Has knock-out for canopy switch.
- METAL:** Brass. Gage: 22 Gage.



Chase "Madison"



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	LENGTH	
					Without Globe	With Globe
Stem Suspension	1500	6"	Medium	200 W	25"	33"
Stem Suspension	1501	6"	Mogul	300-500 W	25½"	34½"
Stem Suspension	1504	4"	Medium	100 W	24½"	30"
Chain Suspension	1506	6"	Medium	200 W	26"	34"
Chain Suspension	1507	6"	Mogul	300-500 W	26"	35"
Chain Suspension	1508	4"	Medium	100 W	26"	31½"
Close Ceiling	1502	6"	Medium	100-200 W	5"	13"
Close Ceiling	1503	6"	Mogul	300-500 W	6½"	15½"
Close Ceiling	1505	4"	Medium	75-100 W	5"	10½"

These Fixtures can be supplied with socket and switch for two filament lamps. Also supplied unwired.

Glass shown has been designed for exclusive use with these fixtures and is sold by Gleason-Tiebout Glass Co., 200 Fifth Avenue, New York, N. Y.

The "Madison" Line has the same features as the "Locktite" Line but is made for standard globes having a lip. The covering ring on these fixtures does not screw on to the holder. It simply rests over the neck of the globe and holds it securely. No movable parts.

Lighting Fixtures



Specifications

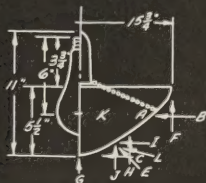
- LENGTHS:** Lengths given on Page 6 are standard. Special lengths supplied at slight additional cost. Any length stem fixture up to 60" can be shipped from stock in stock finishes.
- STEM:** $\frac{1}{2}$ " Dia. Tubing is No. 17 gage. Has concealed swivel for self-aligning.
- FINISH:** Satin Chromium or English Bronze. All other finishes are special.
- WIRING:** Porcelain socket and approved wire.
- CANOPY:** Size 5" x $1\frac{1}{2}$ ". Has knock-out for canopy switch.
- METAL:** Brass. Gage: 22 Gage.

CANDLEPOWER DISTRIBUTION

16-INCH PLASTIC BOWL*

Rendered to Chase Brass and Copper Company

Lamp - 200 Watts; 115 Volts; 3400 Lumens;
FS30 Inside Frosted Gas-Filled Bulb; C-9
Filament; Medium Base; General Service.



LUMINAIRE DISTRIBUTION DATA					
Mean Vertical					
MID-ZONE ANGLE	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLE	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° IN.	730		90° IN.	7.7	
175°	813	75	85°	8.6	7
165°	732	209	75°	10.8	11
155°	686	320	65°	15.0	15
145°	683	428	55°	20.1	18
135°	640	493	45°	24.7	19
125°	543	468	35°	29.7	19
115°	412	412	25°	33.8	16
105°	213	217	15°	36.4	10
95°	29.7	34	5°	37.6	4
			0° IN.	37.6	
LIGHT FLUX VALUES					
ZONE	LUMENS		PER CENT TOTAL LUMENS	PER CENT LIGHT OUTPUT	
	LAMP	LUMINAIRE			
0°-60°	934	86	2.5	82.5	
0°-90°	1742	119	3.5		
90°-180°	1656	2476	79		
0°-180°	3398	2795	82.5		

LUMINAIRE BRIGHTNESS

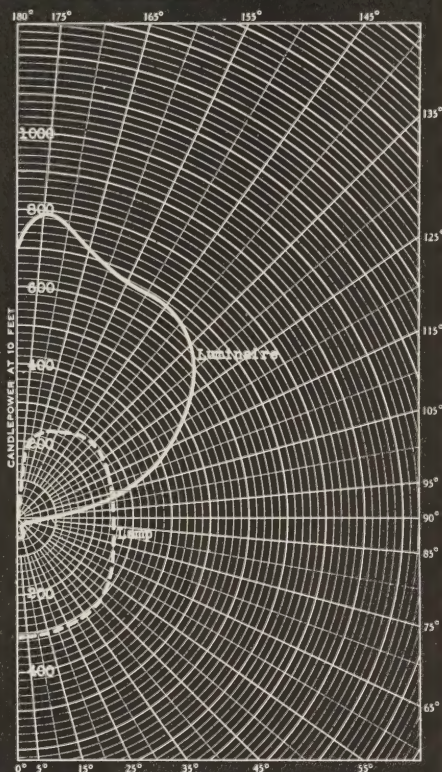
CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	0.1	0.2	0.4		0.5	0.1	0.4	0.3	0.5	0.5	0.1	0.5	

TESTED BY acc PLOTTED BY Mut *E.T.L. Identification No. 3773.
COMPUTED BY Mut CHECKED BY Sm ISSUED November 21, 1935.

APPROVED BY William Smith
ENGINEER IN CHARGE OF PHOTOMETRY

C. F. Hon
IN CHARGE OF TEST



Chase "Greenwich"

Chase "Greenwich" Fixtures are of the semi-indirect type and use a Plastic Moulded Bowl as a reflecting medium. The bowl is white in color but when the fixture is lighted it transmits a soft, golden yellow light which blends into the reflected light from the ceiling. This type of lighting produces very restful and comfortable illumination. Eye-strain is avoided, since there is no glare.

Other advantages of the Plastic Moulded Bowl are numerous. These bowls weigh approximately two-thirds less than glass, they are virtually unbreakable, and changes due to atmospheric conditions do not cause them to break, thereby injury which might be caused by the bowl falling is

eliminated. Plastic Moulded Bowls are non-inflammable, they can be cleaned with hot water without harm and under normal conditions they will not discolor or warp.

On this page is shown a photometric test of the Chase "Greenwich" fixture which was made by the Electrical Testing Laboratories. It shows the light distribution and the extremely low surface brightness of the new Plastic Moulded Bowl. The surface brightness of $\frac{1}{2}$ candle-power per square inch which is produced with the use of this semi-indirect Plastic Moulded Bowl eliminates the necessity for indirect lighting.

h" Lighting Fixtures



This Listing Covers Fixtures Including Plastic Moulded Bowl

TYPE	NUMBER	SOCKET	SIZE OF BOWL	RECOMMENDED LAMP SIZE	LENGTH INCLUDING BOWL
Stem Suspension	1520	Medium	15 $\frac{3}{4}$ "	200 W	26"
Stem Suspension	1522	Mogul	15 $\frac{3}{4}$ "	300 W	32"
Close Ceiling	1569	Medium	12"	100-150 W	10"

This Listing Covers Fixtures Without the Plastic Moulded Bowl

TYPE	NUMBER	SOCKET	RECOMMENDED LAMP SIZE	LENGTH LESS BOWL
Stem Suspension	1181	Medium	200 W	20"
Stem Suspension	1180	Mogul	300 W	26"
Stem Suspension	1190	Mogul	500 W	30"
Stem Suspension	1189	Mogul	750 W	36"
Close Ceiling	1212	Medium	200 W	6 $\frac{1}{2}$ "

FINISHES: Satin Chromium, English Bronze carried in stock. Other finishes special.
Above fixtures also supplied unwired. Metal parts are Brass — 22 Gage.



"Empire State"

The Chase "Empire State" Fixtures have had wide acceptance because of their safety features and simple design. A wide "U" strap holds the globe from the inside while the socket cover locks it in position. Socket is adjustable for positioning lamp filament in the globe.



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	LENGTH	
					Without Glass	With Glass
Stem Suspension	1162	6"	Medium	200 W	26"	34½"
Stem Suspension	1187	6"	Mogul	300-500 W	26½"	36"
Stem Suspension	1170	4"	Medium	100 W	25½"	34"
Close Ceiling	1502	6"	Medium	100-200 W	5"	13½"
Close Ceiling	1503	6"	Mogul	300-500 W	6½"	14½"
Close Ceiling	1505	4"	Medium	75-100 W	5"	10½"

LENGTHS: Lengths given above are standard. All other lengths supplied at a slight additional cost. Any length up to 60" carried in stock in stock finishes.

STEM: ¾" Dia. Tubing is 22 Gage, with concealed swivel for self-aligning.

FINISH: Polished Chromium or English Bronze. All other finishes are special.

WIRING: Porcelain Socket and Approved Wire. **CANOPY:** Size 5" x 2" with knock-out for canopy switch. **METAL:** Brass, 22 Gage.

Above fixtures can be supplied with socket and switch for two filament lamps. Also supplied unwired. Any standard glass globe may be used.



“Economy” Line

The “Economy” Line is for use where price is the important factor. The suspension fixture has a concealed swivel to permit fixture to hang plumb. Holders have four screws for holding globes.



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	LENGTH WITHOUT GLOBE
Stem Suspension	1097	6"	Medium	200 W	26"
Stem Suspension	1141	6"	Medium	200 W	32"
*Close Ceiling	1110	4"	Medium	100 W	4"
**Close Ceiling	1111	4"	Medium	100 W	4"

*Pull Chain Socket

**Keyless Socket

LENGTHS: Lengths given above are standard. All other lengths supplied at slight additional cost. Any length up to 60" carried in stock in stock finishes.

STEM: $\frac{3}{4}$ " Dia. of stem type. Has concealed swivel for self-aligning.

FINISH: Polished Chromium or Statuary Bronze. All other finishes special.

WIRING: Porcelain Sockets and approved wire.

CANOPY: Size $5\frac{5}{8}$ " x $3\frac{1}{2}$ ". Has knock-out for canopy switch.

These fixtures also supplied unwired.



Chase "Economy"



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	FINISHES	LENGTH Without Globe
Chain Suspension	1002	6"	Medium	200 W	Stat. Bronze	48"
Chain Suspension	1003	6"	Mogul	300 W	Stat. Bronze	48"
Chain Suspension	1007	4"	Medium	100 W	Stat. Bronze	48"
*Close Ceiling	1083	6"	Medium	200 W	Satin Chrom.	5"
**Close Ceiling	1084	6"	Medium	200 W	Pol. Chrom. Stat. Bronze	5"

*Pull Chain Socket.

**Keyless Socket.

Chain Suspension Fixtures have ventilated holder with four screws for holding globe. Fixtures furnished with porcelain sockets and approved No. 16 Wire.

These fixtures are for use where price is the important factor. They are made of Brass except for the chain.

Lighting Fixtures



TYPE	NUMBER	FITTER	SOCKET	RECOMMENDED LAMP SIZE	FINISHES	LENGTH Without Globe
Chain Suspension	1004	6"	Medium	200 W	Stat. Bronze	48"
Chain Suspension	1006	4"	Medium	100 W	Stat. Bronze	48"
*Close Ceiling	1149	3 $\frac{1}{4}$ "	Medium	25 to 100 W	Pol. Cop. or Pol. Chrom.	2 $\frac{3}{4}$ "

Chain Suspension fixtures have a cross bar secured to the canopy for installing. Canopy has knock-out for switch. Holder has four screws for holding globe. Furnished with porcelain sockets and approved No. 16 Wire.

*Close Ceiling fixture may be had in either Brass or Copper for indoor or outdoor use.



Chase "Economy"



No. 1560 Semi-Indirect Wall Bracket. Furnished complete with Plastic Moulded Bowl. Has switch control. Finishes: English Bronze or Polished Chromium. Back plate 5" x 3 1/2". Extreme spread 7".

No. 1049 Wall Bracket. Made of one piece of metal. Has keyless porcelain socket. Order No. 1214 if a pull chain socket is desired. Finish: Polished Chromium. Height 7 1/2". Width 4 1/4".

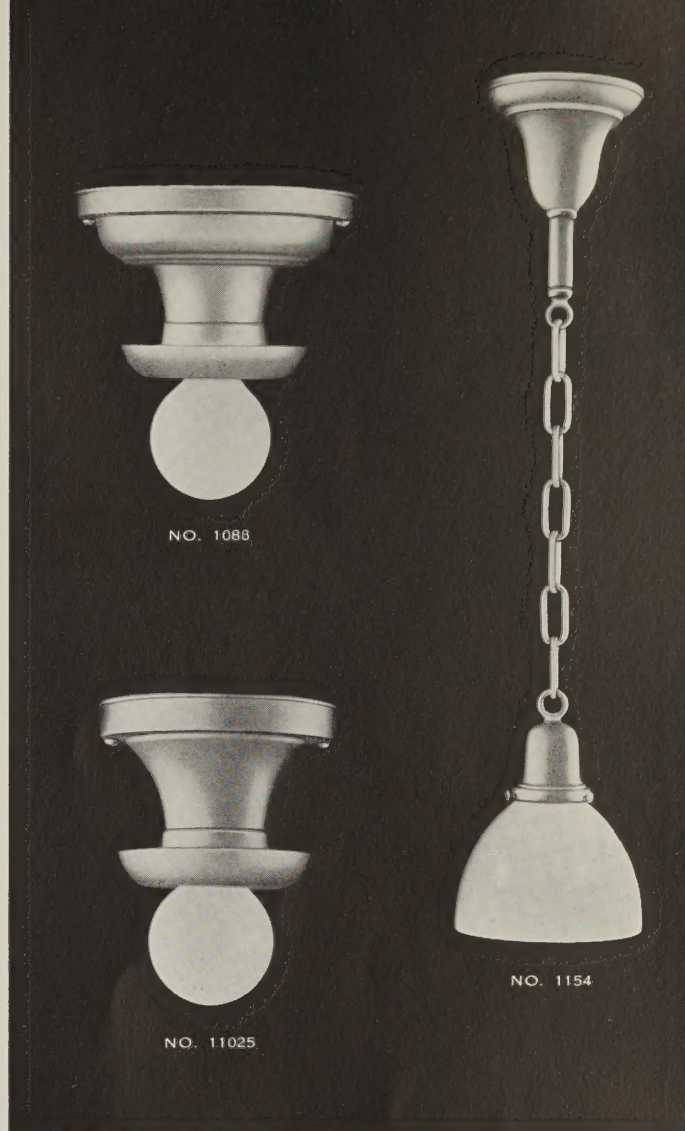
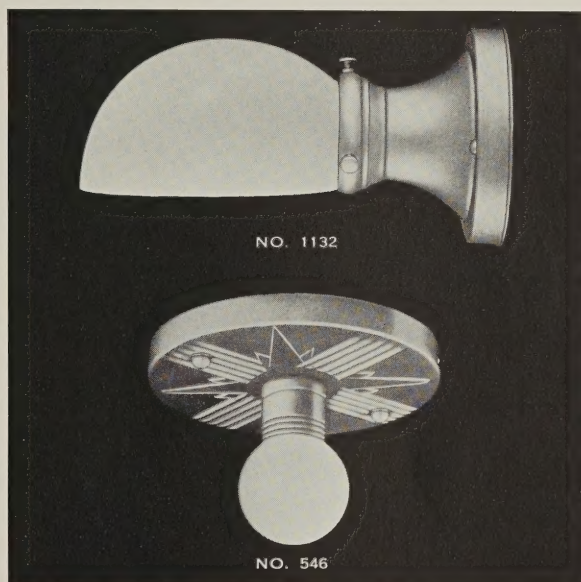
No. 1134 Wall Bracket. Has slip canopy and 2 1/4" socket cover. Furnished with key socket. Finishes: Brush Brass or Statuary Bronze. Extends 6". Canopy 4 1/2".

No. 1232 Ceiling Fixture. 12" Ceiling holder with disc for reflector surface. Has two lights. Finish: English Bronze, Polished Chromium. For the same style fixture as above only larger size, order as follows: No. 1230 for 10" Globe. No. 1234 for 14" Globe.

No. 1208 Ceiling Fixture. Has hinged band, two lights — for 8" dish glass. Size of band 11 1/2" Dia. x 2 1/8" Height. Finishes: Brush Brass, Statuary Bronze. Order No. 1209 for same style as above only for 10" glass.

Here are inexpensive wall brackets and ceiling fixtures of good construction that have many uses.

Lighting Fixtures



No. 1132 Wall Bracket. Wired with keyless socket. Back plate $4\frac{1}{2}$ " — Fitter $2\frac{1}{4}$ ". Finishes: Polished Chromium or White Enamel. Order No. 1125 if pull chain socket is desired.

No. 546 Modern Beam Light of simple design, has keyless socket. Diameter $6\frac{1}{2}$ " — Height $1\frac{3}{4}$ ". Finish: Polished Chromium or Polished Brass.

No. 1088 Beam Light. Keyless Socket. Diameter $5\frac{1}{2}$ " — Height $5\frac{1}{4}$ ". Finish: Polished Chromium, Weathered Brass. Order No. 1089 if pull chain socket is desired.

No. 11025 Beam Light. Keyless Porcelain Socket. Diameter $4\frac{1}{2}$ ". Finish: Satin Chromium, Weathered Brass. Order No. 11026 if pull chain socket is desired.

No. 1154 Chain Pendant. Pull chain socket. Has $\frac{3}{8}$ " Female Blind Stem — 33" long with $2\frac{1}{4}$ " Socket cover. Finish: Statuary Bronze, Brush Brass. Chain is made of Steel.



